



1998 Toxics Release Inventory

KENTUCKY

Reported Releases and Waste Management Activities (in pounds)

	Original Industries	New Industries	Total
On-site Releases	34,618,420	59,544,677	94,163,097
Air Emissions	30,707,376	44,906,314	75,613,690
Surface Water Discharges	613,048	788,388	1,401,436
Underground Injection Class I Wells	0	0	0
Underground Injection Class II-V Wells	0	0	0
On-site Land Releases to RCRA Subtitle C Landfills	485,532	3	485,535
Other On-site Land Releases	2,812,464	13,849,972	16,662,436
Off-site Releases (Transfers Off-site to Disposal)*	5,229,217	2,067,475	7,296,692
Total On- and Off-site Releases	39,847,637	61,612,152	101,459,789
Recycled On-site	348,344,246	1,093,674	349,437,920
Recycled Off-site	48,524,049	224,700	48,748,749
Energy Recovery On-site	66,899,304	0	66,899,304
Energy Recovery Off-site	8,146,849	10,444,342	18,591,191
Treated On-site	117,330,012	27,172,398	144,502,410
Treated Off-site**	8,634,842	2,213,637	10,848,479
Quantity Released On- and Off-site***	38,829,320	60,195,953	99,025,273
Total Production-related Waste Managed	636,708,622	101,344,704	738,053,326
Total Non-production-related Waste Managed	58,826	211	59,037

Transfers Off-site for Further Waste Management/Disposal

Recycling	51,198,258	242,507	51,440,765
Energy Recovery	8,060,315	10,445,957	18,506,272
Treatment	6,832,070	2,166,167	8,998,237
Publicly Owned Treatment Works (POTWs)	1,632,343	406	1,632,749
Metals and Metal Compounds*	46,435	0	46,435
Non-metal TRI Chemicals**	1,585,908	406	1,586,314
Other Off-site Transfers***	33,054	0	33,054
Off-site Transfers to Disposal (not including metals to POTWs)	6,368,431	2,073,470	8,441,901
Total Transfers Off-site for Further Waste Management/Disposal	74,124,471	14,928,507	89,052,978

* Transfers to POTWs of metals and metal compounds are included in off-site releases. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Transfers to POTWs of non-metals are included in treated off-site waste management activity.

*** Excludes non-production-related releases; e.g. releases due to catastrophic events or remedial actions.

****Transfers reported without a valid waste management code.

For More Information . . .

State Contact:

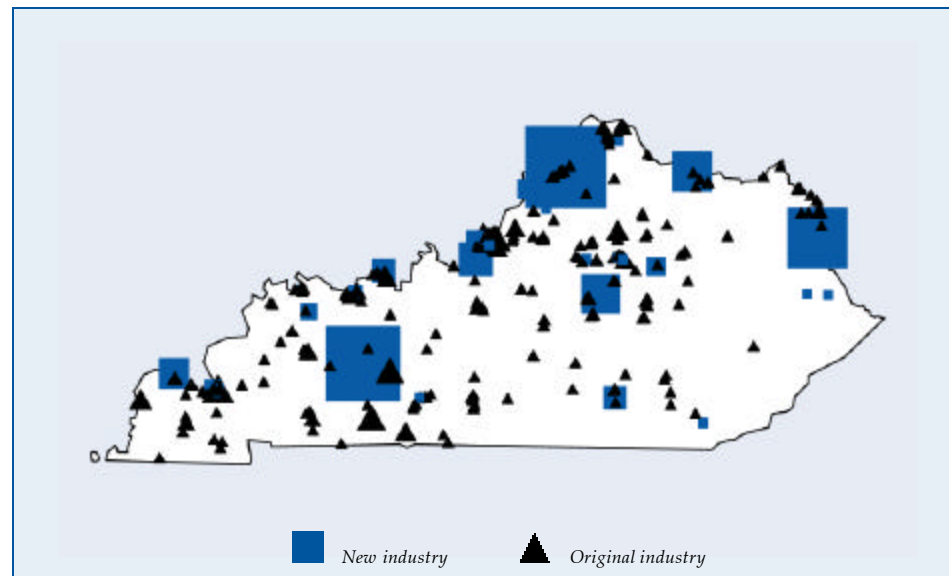
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To obtain TRI data use assistance, call TRI User Support Service (TRI-US):

(202) 260-1531
Fax: (202) 401-2347



The largest marker in the state map represents the largest facility for on-site releases in the state of Kentucky. All markers are proportionally-sized to represent the on-site releases at each facility within this state.

State/TRI Data

Population	3,936,499
Square Miles	39,732
Total Facilities	468
Total Forms	2,042
Form As	259

	Original Industries	New Industries	Total
National Rank for Total On- and Off-site Releases*			
Rank	22	15	22
Pounds	39,847,637	61,612,152	101,459,789
National Rank for Total On-site Releases**			
Rank	20	15	22
Pounds	34,618,420	59,544,677	94,163,097
National Rank for Total Releases within State***			
Rank	21	15	22
Pounds	39,308,008	62,879,978	102,187,986
National Rank for Production-related Waste Managed			
Rank	13	14	15
Pounds	636,708,622	101,344,704	738,053,326

* Includes transfers out-of-state for disposal. Excludes transfer amounts sent for disposal to other TRI facilities reporting that amount released on-site.

** Includes amounts released at the facility. Excludes amounts transferred to other sites.

*** Excludes transfers for disposal sent out-of-state or sent to other TRI facilities within the state reporting that amount released on-site.



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On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Original Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
67-56-1	Methanol	4,203,378	158,015	0	9,936	726	4,372,055	0	1	725
108-88-3	Toluene	3,244,331	208	0	4,365	16,511	3,265,415	2,919	13,468	3,043
75-45-6	Chlorodifluoromethane (HCFC-22)	2,801,142	0	0	0	0	2,801,142	0	0	0
110-54-3	n-Hexane	2,590,156	180	0	88	1,912	2,592,336	0	260	1,652
1330-20-7	Xylene (mixed isomers)	2,315,299	552	0	960	64,058	2,380,869	2,663	464	63,594
7429-90-5	Aluminum (fume or dust)	343,706	218	0	1,800,000	100,514	2,244,438	0	76,214	24,300
75-09-2	Dichloromethane	2,157,120	57	0	0	4	2,157,181	66	3	1
—	Zinc compounds	105,569	10,815	0	106,624	1,552,333	1,775,341	143,218	372,024	1,180,428
—	Glycol ethers	1,288,392	0	0	0	2,237	1,290,629	691	2,237	0
1332-21-4	Asbestos (friable)	250	0	0	0	1,126,321	1,126,571	0	1,126,321	0

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.

On-site and Off-site Releases for Top Ten Chemicals Ranked on Total Releases in the State (Seven New Industries)

CAS Number	Chemical	On-site Releases				Off-site Releases	Total Releases in the State**	Off-site Transfers to Disposal		
		Air Emissions Pounds	Surface Water Discharges Pounds	Underground Injection Pounds	On-site Releases to Land Pounds	Transfers Off-site to Disposal* Pounds		Transferred Into State Pounds	Transferred Within State Pounds	Transferred Out of State Pounds
7647-01-0	Hydrochloric acid	27,786,365	0	0	0	0	27,786,365	0	0	0
7664-93-9	Sulfuric acid	15,359,448	0	0	0	0	15,359,448	0	0	0
—	Barium compounds	14,926	148,211	0	5,146,127	160,990	5,470,254	236,966	160,990	0
—	Zinc compounds	47,964	126,680	0	2,188,116	227,356	2,590,116	34,319	120,754	106,731
—	Manganese compounds	11,149	306,908	0	1,608,195	88,255	2,014,507	62,710	88,255	0
7664-39-3	Hydrogen fluoride	1,523,782	0	0	0	2,486	1,526,268	0	2,486	0
—	Nickel compounds	4,885	106,586	0	1,018,569	23,060	1,153,100	4,100	22,810	250
—	Chromium compounds	5,346	10,897	0	741,588	26,429	784,260	16,388	26,428	1
—	Copper compounds	4,050	9,902	0	711,819	17,333	743,104	62,800	17,155	178
—	Lead compounds	6,547	24,357	0	679,723	26,628	737,255	913,244	26,393	235

* Excludes amounts transferred to other TRI facilities in the state reporting that amount released on-site.

** The chemical ranking is based on the amounts in this column.



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On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Original Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
DuPont Louisville Works, Louisville, Jefferson	2,462,043	0	0	0	0	0	2,462,043	0	314
Air Prods. & Chemicals Inc., Calvert City, Marshall	2,235,663	111,827	0	0	0	9,155	2,356,645	0	0
Carpenter Co., Russellville, Logan	1,997,029	0	0	0	0	0	1,997,029	0	0
IMCO Recycling Inc., Morgantown, Butler	36,261	0	0	0	0	1,929,900	1,966,161	0	0
Westvaco Corp., Wickliffe, Ballard	1,154,280	125,104	0	0	0	23,324	1,302,708	0	0
Toyota Motor Mfg. Kentucky Inc., Georgetown, Scott	1,263,327	424	0	0	0	0	1,263,751	24,929	12,119
Quebecor Printing Franklin, Franklin, Simpson	1,111,000	0	0	0	0	0	1,111,000	770	1,455
Willamette Inds. Inc., Hawesville, Hancock	585,472	156,078	0	0	321,347	32	1,062,929	0	0
Daramic Inc., Owensboro, Daviess	1,012,750	0	0	0	0	0	1,012,750	0	0
Ford Motor Co., Kentucky Truck Plant, Louisville, Jefferson	1,007,197	0	0	0	0	0	1,007,197	24,988	3,222

*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.

On- and Off-site Releases for Top Ten Facilities Ranked on Total On-site Releases in the State (Seven New Industries)

Facility, City, County	On-site Releases						Total On-site Releases* Pounds	Off-site Releases (Transfers Off-site to Disposal)	
	Underground Injection			On-site Releases to Land				Transferred Within State Pounds	Transferred Out of State Pounds
	Air Emissions Pounds	Surface Water Discharges Pounds	Class I Wells Pounds	Class II-V Wells Pounds	RCRA Subtitle C Landfills Pounds	Other On-site Land Releases Pounds			
Kentucky Utilities Co. — Ghent Station, Ghent, Carroll	8,471,776	104,750	0	0	0	2,388,500	10,965,026	0	0
U.S. TVA Paradise Fossil Plant, Drakesboro, Muhlenberg	9,095,350	80,550	0	0	0	675,010	9,850,910	0	0
Big Sandy Plant, Louisa, Lawrence	6,464,315	10,735	0	0	0	1,174,970	7,650,020	1,769	236
Spurlock Power Station, Maysville, Mason	3,835,154	971	0	0	0	801,000	4,637,125	0	0
Kentucky Utilities Co. — E. W. Brown Station, Burgin, Mercer	3,704,750	26,970	0	0	0	713,000	4,444,720	0	0
Louisville Gas & Electric Co. — Mill Creek Station, Louisville, Jefferson	2,054,724	65,889	0	0	0	1,489,900	3,610,513	0	0
U.S. TVA Shawnee Fossil Plant, West Paducah, Mc Cracken	605,535	429,250	0	0	0	2,053,800	3,088,585	2,890	0
Coleman, Hawesville, Hancock	1,880,545	2,096	0	0	0	204,420	2,087,061	0	178
Cooper Power Station, Burnside, Pulaski	1,711,240	781	0	0	0	283,000	1,995,021	0	0
Louisville Gas & Electric Co. — Cane Run Station, Louisville, Jefferson	1,322,504	24,400	0	0	3	622,000	1,968,907	0	0

*The facility ranking is based on the amounts in this column; these quantities exclude transfers out of state.



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Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Original Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site*	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Dupont Louisville Works, Louisville, Jefferson	0	443	0	0	0	12,189	2,455,896	2,468,528	6
Air Prods. & Chemicals Inc., Calvert City, Marshall	0	0	0	0	3,255,344	263,411	2,357,924	5,876,679	0
Carpenter Co., Russellville, Logan	0	0	0	0	0	17,109	1,997,029	2,014,138	11,000
IMCO Recycling Inc., Morgantown, Butler	0	0	0	0	0	0	1,929,900	1,929,900	0
Westvaco Corp., Wickliffe, Ballard	0	0	0	0	5,297,904	0	1,423,021	6,720,925	0
Toyota Motor Mfg. Kentucky Inc., Georgetown, Scott	0	1,413,770	644,842	151,954	203,325	319,785	1,290,082	4,023,758	0
Newport Steel Corp., Wilder, Campbell	0	0	0	0	0	0	1,113,700	1,113,700	0
Quebecor Printing Franklin, Franklin, Simpson	25,000,000	0	0	60,000	510	6,310	1,100,280	26,167,100	0
Willamette Inds. Inc., Hawesville, Hancock	0	0	1,089,953	0	6,464,424	0	1,062,979	8,617,356	2
Ford Motor Co., Louisville Assembly Plant, Louisville, Jefferson	0	1,376,459	0	24,994	388,170	10,100	1,052,760	2,852,483	0

*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.

Total Production-related Waste for Top Ten Facilities Ranked on Quantity Released On- and Off-site (Seven New Industries)

Facility, City, County	Recycled On-site Pounds	Recycled Off-site Pounds	Energy Recovery On-site Pounds	Energy Recovery Off-site Pounds	Treated On-site Pounds	Treated Off-site Pounds	Quantity Released On- and Off-site*	Total Production- related Waste Managed Pounds	Total Non- Production- related Waste Managed Pounds
Kentucky Utilities Co. — Ghent Station, Ghent, Carroll	0	0	0	0	0	0	10,979,000	10,979,000	0
U.S. TVA Paradise Fossil Plant, Drakesboro, Muhlenberg	0	0	0	0	12,139,000	0	9,849,020	21,988,020	0
Big Sandy Plant, Louisa, Lawrence	0	32,800	0	0	1,000,000	0	7,647,400	8,680,200	0
Spurlock Power Station, Maysville, Mason	0	0	0	0	0	0	4,569,000	4,569,000	13
Kentucky Utilities Co. — E. W. Brown Station, Burgin, Mercer	0	0	0	0	0	0	4,452,000	4,452,000	0
Louisville Gas & Electric Co. — Mill Creek Station, Louisville, Jefferson	0	0	0	0	0	0	3,612,600	3,612,600	0
U.S. TVA Shawnee Fossil Plant, West Paducah, Mc Cracken	0	0	0	0	1,061,000	0	3,151,020	4,212,020	0
Coleman, Hawesville, Hancock	0	0	0	0	0	0	2,200,512	2,200,512	0
Cooper Power Station, Burnside, Pulaski	0	0	0	0	0	0	1,992,000	1,992,000	9
Louisville Gas & Electric Co. — Cane Run Station, Louisville, Jefferson	0	0	0	0	0	3	1,964,000	1,964,003	0

*The facility ranking is based on the amounts in this column; these quantities exclude non-production-related releases.